Skyline

Skyline For Lipidomics

With

Brendan MacLean (Principal Developer, Skyline)
Michele Wölk, PhD (Lipidomics Researcher, TU-Dresden)
Mark Belanger (Project Manager, Skyline)

Agenda

- Welcome 427 registered, from the Skyline team!

- Skyline For Lipidomics

  - Introduction with **Brendan MacLean**

  - Presentation and Tutorial with **Michele Wölk**

Skyline Tutorial Webinars – 10 years!

- Skyline Tutorial Webinar 1 – October 21st, 2014
    - Getting the Most Out of DDA Data with Skyline
    - Brendan MacLean and Birgit Schilling

Dear Skyline Users,

The Skyline Team is excited to announce a new webinar series designed to help you get the most out of Skyline targeted proteomics software. Skyline Team members will spend most of the time in the webinars explaining what the software is capable of and how best to use it to answer your research questions. Even the most experienced Skyline users are likely to learn something new.

Webinar #1: Getting the Most Out of DDA Data with Skyline

[registration closed]

When: Tuesday, October 21st, 8am and 4pm (Pacific Time)

- MS1 full-scan filtering
- Building and exploring spectral libraries
- Moving from peptide searches to targeted methods

These webinars will also include the viewpoints of proteomics researchers using Skyline. In Webinar #1, Birgit Schilling, author of a paper and a book chapter on using Skyline for MS1 filtering, will share her experience.

Join us, learn and help us understand what Skyline can do to aid your research.

--Skyline Team

Presenters

Brendan MacLean
(Principal Developer)

Birgit Schilling
(Scientific Advisor)

Michele Wölk - Research

- HRMS for profiling, identification, and quantification of lipids
- PhD at University Leipzig – LC-MS/MS
  - Bovine milk proteins (non-enzymatic glycation)
  - Lipid-protein adducts
  - Lipids
- Post-doc at TU-Dresden in Fedorova lab since October 2021
  - Lipidome plasticity and lipid quality control
  - Targeted and untargeted methods
  - Mass spec imaging
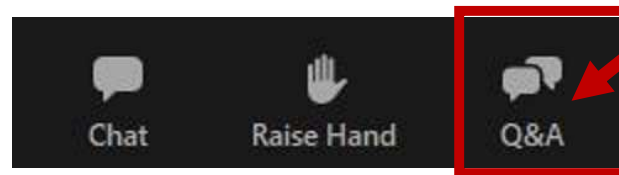
Michele Wölk – Teaching Skyline

- 2023 & 2024 – March – Skyline Course in Dortmund
  - New Skyline tutorial for lipidomics presented
- 2023 – June – Skyline Course at UW
  - Birgit Schilling taught Michele's tutorial
- 2024 – September – BMSS/BSPR Conference Workshop at Warwick U.
  - Michele presented and taught her tutorial

Michele Wölk - Today

- Presentation

- Tutorial

  - Lipid methods with LipidCreator

  - Analysis of LC-MS/MS runs for lipids

Questions?

- Ask any questions at the Q&A form in Zoom:

- Take the post-webinar survey:

https://skyline.ms/survey4webinar.url